

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Martha M. Allman

GENERAL INFORMATION:

Name:	Corning, Inc.
Address:	680 East Office Street Frankfort, KY 40601
Date application received:	7/20/2007
SIC Code/SIC description:	3229, Pressed and Blown Glass and Glassware, NEC
Source ID:	21-167-00004
Agency Interest:	3143
Activity:	APE20070001
Permit:	V-03-052 R1

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input checked="" type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
__Administrative	<input checked="" type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
<u>x</u> Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM/PM ₁₀	5.09/5.03	9.56/8.65
SO ₂	84.94	253.57
NO _x	295.37	893.80
CO	5.16	23.64
VOC	4.70	7.50
Single HAPs	3.14	7.36
Source wide HAPs	3.15	7.47

SOURCE DESCRIPTION:

On July 20, 2007, an application was received from Corning, Inc. to add nine emergency diesel generators and one emergency diesel air compressor to its existing Title V permit, V-03-052. These units will only be used during a power failure, which Corning, Inc. estimates not to exceed 55 hours per year for the emergency generators and 52 hours per year for the air compressor. The application was filed as a minor revision, but upon review, the Division determined that pursuant to 401 KAR 52:020 Section 14(d), this application should be processed as a major revision since a federally enforceable emissions cap is involved.

All of the new emission units are subject to 40 CFR 60 Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. 40 CFR 63 Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, is not applicable since Corning, Inc. is not a major source of hazardous air pollutants [40 CFR 63.6585(b)].

40 CFR 60 Subpart IIII requires certain actions by engine manufacturer's and certain actions by engine owners or operators. Corning, Inc. will be an engine owner and operator, and as such, has an obligation to purchase EPA approved equipment and fuel and to operate and maintain the equipment in accordance with the manufacturer's instructions. Under Subpart IIII, requirements differ depending upon model year, size, and use of the diesel engine. Pursuant to 40 CFR 60.4200, the date that construction commences is the date the engine is ordered by the manufacturer.

Units that are operated for emergency only are also required to be metered to ensure that their use is limited [40 CFR 60.4209]. Pursuant to 40 CFR 60.4214, emergency stationary internal combustion engines are not required to submit an initial notification.

EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

Source wide hazardous air pollutants (HAP) shall not exceed 10 tons for single HAP, and 25 tons for combined HAPs per any twelve (12) consecutive months total.

Emissions Units 17, and 18, shall not exceed 55 hours of operation per each 12-consecutive months. Emissions Unit 19 shall not exceed 52 hours of operation per each 12 consecutive months.

OPERATIONAL FLEXIBILITY:

(From previous permitting action)

The following has been established as alternating operating scenarios by the Division based on information supplied with the application and during the application review process. The terms and conditions of each alternate operating scenario have been developed to ensure compliance with the applicable regulations. The permittee, when making a change from one operating scenario to another, shall record contemporaneously in a log at the permitted facility a record of the scenario under which the facility is operating. The permit shield, as provided in Section G, Condition (a) 15, shall extend to each alternate operating scenario set forth in this Section. All conditions not specified under an alternate operating scenario shall remain unchanged from their permit values or requirements.

Each glass-melting tank has the following three (3) operating scenarios:

SCENARIO 1: F Glass

This operating scenario corresponds to total glass production that produces arsenic emissions > 0.4 Mg/yr.

SCENARIO 2: F/G Glass

This operating scenario corresponds to total glass production that produces arsenic emissions < 0.4 Mg/yr.

SCENARIO 3: G Glass

This operating scenario corresponds to production of arsenic free glass.